



DELTAGRIP DG4™



**The Better Way of
Connecting Steel Roof
Deck at Sidelaps**

ASC Steel Deck is a leading manufacturer of light-gauge structural steel deck, delivering quality products for over 50 years.

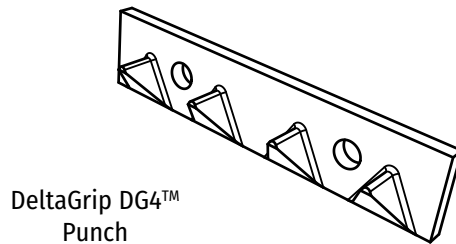
ASC Steel Deck's DeltaGrip® DG4™ Tool

The DeltaGrip® DG4™ Tool builds upon the success of the original DeltaGrip® System by introducing added benefits of higher connection strength, faster cycle time, and increased punch durability.

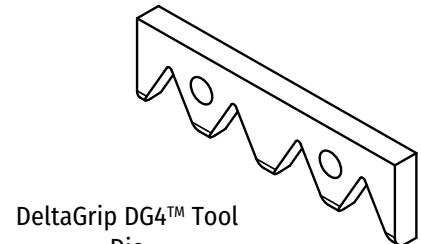
This powerful, lightweight pneumatic tool fastens the sidelaps of interlocking steel roof deck with a highly effective quadruple punch through three layers of steel. The interlocking system created by The DeltaGrip® DG4™ Tool creates a permanent, durable connection significantly stronger than a screwed sidelap and comparable to a welded sidelap connection. This connection resists longitudinal movement and vertical separation when subjected to wind, seismic, or construction loads.

The DeltaGrip® DG4™ Tool installs faster than sidelap screws, reducing labor costs, and eliminates the cost of the sidelap fasteners. The ease of the tool's pneumatic action requires less energy than a manual button punch and less labor than a welded top seam connection. This combination of a high-strength quadruple punch and faster cycle time makes the DeltaGrip® DG4™ Tool a superior sidelap connection solution.

What's New?



DeltaGrip DG4™
Punch



DeltaGrip DG4™ Tool
Die

ASC Steel Deck's DeltaGrip® DG4™ Tool features a new four-tooth punch and a strengthened design, increasing deck connection strength and improving system durability. The improved connection performance make it a clear choice over traditional top seam welds and screwed sidelaps.

Performance improvements include:

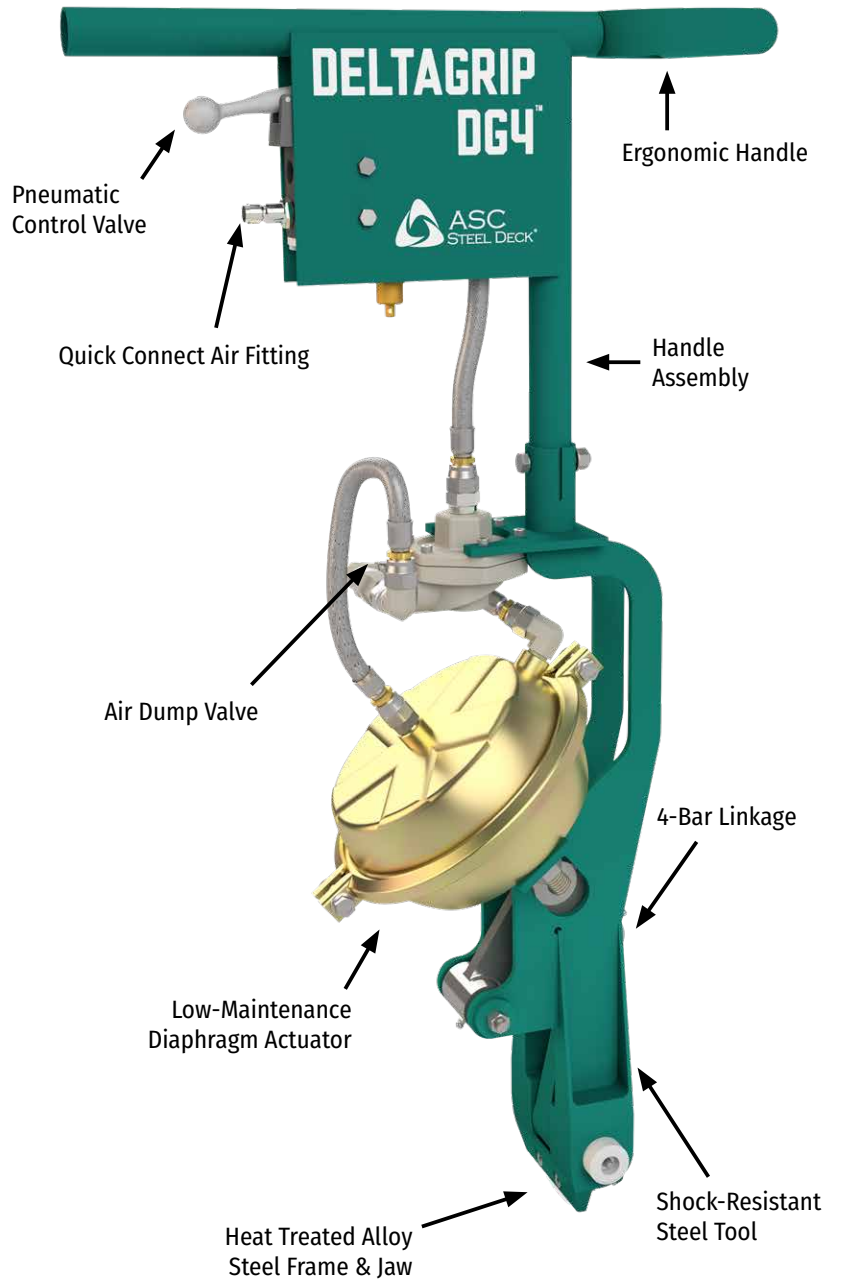
- ✓ **Increased Connection Strength** - Increased by as much as 26% and an average of 15% compared to the previous generation DeltaGrip®
- ✓ **Increased Connection Stiffness** - Increased by as much as 48% and an average of 37% compared to the previous generation DeltaGrip®
- ✓ **Increased Crimping Force** - New 4-bar linkage design amplifies punching forces, increasing crimping force by as much as 35%
- ✓ **Faster Cycle Time** - DeltaGrip® DG4™ features an end-of-cycle air dump valve for faster punch cycles, resulting in a 17% improvement in average cycle time across all gauges
- ✓ **Improved Durability** - Braided air lines and new, durable handle design increase field reliability

Improvements do not come at the cost of useability, or installation efficiency. DG4™ carries over the same tool actuation, air supply and maintenance connections as the prior generation DeltaGrip®, enabling a simple transition for users and installers.

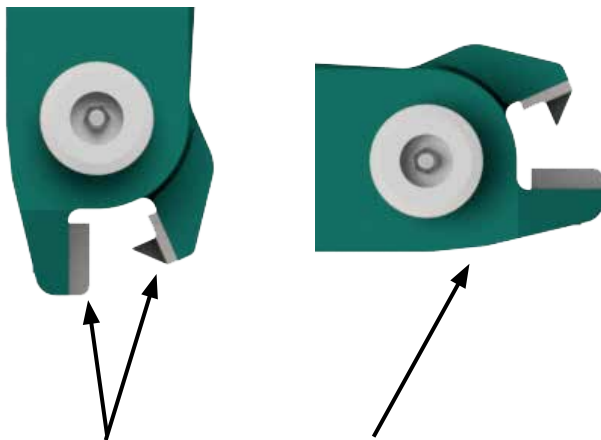


DeltaGrip® DG4™ Tool & System Facts

System Facts	
Tool Dimensions	19.25" x 9.5" x 36.5"
Air Inlet	3/8" NPT
Min. Hose Size	3/8"
Code Compliance	IAPMO-UES ER 0161
Air Pressure Required	90 psi - 135 psi (depending on deck gauge)
Maximum PSI	175 psi air compressor, not to exceed 145 psi maximum pressure at tool
Hose Length	100' maximum hose length without reserve tank
Fitting	1/2" air hose with 3/8" series quick connect fitting
Weather Resistance	Installation not effected by inclement weather
Profiles	Use on all gauges of ASC Steel Deck DG Roof profile panels; including acoustic, cellular, & Smooth Series™ panels

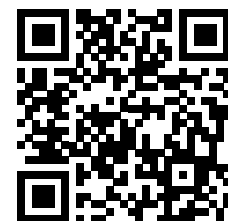


Patent Number: 11,872,644



Replaceable Quadruple DG4™ Punch & Die allows for quick field replacement

Scan to access tool demo & resources



Benefits of The DeltaGrip® DG4™ Tool

- **Straightfoward Installation** – Simple to use, enabling installers to proficiently install within minutes.
- **Lowered Installation Costs** – DG4 installs faster than sidelap screws or replaces the need for top seam welds and certified welders, lowering labor costs.
- **Installation Speed** – The rapid deck connection method and new faster cycle times help to reduce overall installation time. Visual inspections can also be easily inspected from the top side of the deck.
- **Consistency** – Unlike welds, the steady pneumatic action creates a consistent connection, time after time. ASC Steel Deck offers a DeltaGrip® DG4™ Go/NoGo gauge for installation quality verification.
- **No Clean Up** – The clean connection eliminates need for post-connection cleaning, reducing install time.
- **Clean Install** – Consistent 4-punch action eliminates unsightly visible fasteners in exposed applications.
- **No Need to Source or Stock Separate Sidelap Fasteners** - The new connection removes the need to source sidelap screws or fasteners, further lowering installation costs.
- **Dependability & Safety** – Durability upgrades to the jaw material, punch and tool reduce down-time, while the user-friendly handle and lack of fumes or fire risk associated with welding help improve safety.
- **Design Flexibility** – Compatible with all of ASC Steel Deck's interlocking roof deck profiles, including acoustical, cellular and Smooth Series™, an elegant visual solution for architecturally exposed applications.
- **Easy Transition** – Use the same hose, pump, and maintenance connections as the existing DeltaGrip® System, making transitioning to the new tool a seamless process.



Contact your ASC Steel Deck Sales representative to learn more, or visit
www.ascsd.com/dg4-tool

Structural Steel Roof and Floor Deck by ASC Steel Deck. ASC Steel Deck is a leading steel deck manufacturer offering a full line of light gauge structural roof deck and floor deck products.